Y-CAM Bullet HD1080

More detail, more powerful, more compatible, easier to install, easier to use.

HD 1080 High Definition

WI FI n Secure Wireless

Micro SD Slot

PC / Mac Compatible

@ Email Alerts

H.264 Compression

Mobile Enabled

Motion Detection

Cable Connect

PoE Power Over Ethernet

2 Way Audio

True Day/Night

ONVIF 2.0

View your world from anywhere ... anytime

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Y-cam Bullet HD 1080

The Y-cam Bullet HD 1080 delivers High Definition 1080p video images over your network through Wi-Fi, PoE or Ethernet connections, operating independently, without the need to be connected to a computer, in full colour and infrared night vision.

If any motion is detected, the camera can instantly email you an alert with snapshot, store video to microSD, or record direct to virtually any NAS drive with NAS-Ready™.

Easy to install, simple to operate, secure to use; the weatherproof Y-cam Bullet HD 1080 can be viewed remotely from any PC, Mac, smartphone or tablet.

Specifications & Requirements

Product Code - YCBLHD6

EAN Number - 5060158900565

Camera
Image device - 1/2.7" CMOS
Resolution - 1920 x 1080 (HD 1080p)
Pixels - 2,073,600
White Balance, Exposure, Gain - Auto
Viewing angle - Horizontal: 73°, Vertical: 61°
Focal length - f=4.15mm
Aperture - F1.8
Min. illumination - 1 Lux (Normal mode) / 0 Lux (Nightvision mode)
Infrared LED - 32 LEDs
Night Vision Distance - 15m
IR Cut Filter - Yes
Image compression - H.264 / MJPEG
Max. frame rate - 30fps @ 1920x1080
Audio compression - G.711 (ulaw) 8Khz
Built-in microphone - Yes

Network
Authentication - 3 levels, up to 10 users
Network protocols - TCP,UDP,IP,ARP,ICMP,DHCP,DNS,HTTP,FTP,SMTP,NTP,UPnP,DDNS
Stream type - RTSP/RTP/RTCP
Network connection - Ethernet 10BASE-T/100 BASE-TX
Power over Ethernet (PoE) - IEEE802.3af

Wireless LAN
Wireless technology - IEEE802.11b/g/n
Frequency - 2.4-2.484GHz
Transmission speed - Auto Switch up to 150Mbps (1 Spatial Stream)
Security - WEP(64/128 bit), WPA(AES/TKIP), WPA2-PSK(AES/TKIP)

External Ports
Audio Output (2 way audio) - Yes
SD Slot - microSD card (4GB - 32GB capacity, class 6 or higher)
Digital I/O - 1 input, 1 output

General
Power requirements - DC 12V / POE
Power consumption - 4W (Normal) / 5W (With Wi-Fi) / 9W (With Wi-Fi and IR)
Operating temperature - -10 to +50°C
Storage temperature - -20 to +60°C (-4 to +140°F)
Operating humidity - 20-80%RH (Non-condensing)
Storage humidity - 20-95%RH (Non-condensing)
Dimensions (D x H) - 70mm x 113mm
Weight - 810g (Body)
Supplied accessories - 1 x Camera, 1 x CD (User manual and software), 1 x Quick Start Guide, 1 x Stand for Mount, 1 x Ethernet Cable, 1 x AC/DC Power Adapter, 1 x Conduit Gland

Minimum PC System Requirements
Operating system - Windows XP/Vista/Windows 7
Processor - Intel Pentium 4, 2.6GHz
Memory - 512Mb RAM

Minimum Mac System Requirements
Operating system - Mac OSX 10.4 (Tiger)
Processor - 2000MHz - PowerPC G4 or Intel
Memory - 512Mb RAM

Viewing System Requirements
Web Browser Setup/Viewing - Microsoft Internet Explorer version 9 or later, Mozilla Firefox, Google Chrome, Safari & most other browsers.
Mobile Phone Viewing - VLC, Real Player, QuickTime and most other VLC players.
Y-cam Mobile Live Images feed can be viewed via most internet enabled devices.

Other Requirements
Broadband connection with at least 256kb/s upload recommended for Internet viewing.
This Y-cam is designed for indoor or outdoor use, and is IP66-rated (weatherproof).

Compatible Systems

Windows, Linux, Compatible with Windows 7, Mac, symbian, iPhone, android, BlackBerry

Special Features of this Model

High Definition HD 1080p Video

HD 1080

The Y-cam Bullet HD 1080 delivers crisp High Definition 1080p video images. Enjoy full resolution video at 30 frames per second for a truly spectacular high-definition experience, ideal for securing areas where greater image detail is required.

H.264 Compression

H.264

The latest H.264 compression technology allows the Bullet HD 1080 to efficiently utilize your network, even with the highest-quality video.

True Day/Night Picture

Using an Infrared Cut Filter, the Bullet HD 1080 produces true day and night quality images around the clock.

Professional Connectors

I/O
PoE

The Y-cam Bullet HD 1080 comes with Power over Ethernet allowing you to transmit data and power over a single cable, a Digital I/O for systems integration, and 2-way audio capability (provided by a built-in microphone and audio out connector) allowing you to remotely talk to anyone at your cameras site.

Cable Connect

The Bullet HD 1080 new cable connect system allows DIY users or installation companies to save time and money when fitting the camera. Cable Connect allows you to terminate a single Cat 5 network cable into the rear of the camera through a weatherproof interface, minimising cable routing and drilling requirements.

ONVIF 2.0

ONVIF

Y-cam has included ONVIF compatibility with the Bullet HD 1080 camera, allowing users the widest possible interoperability with 3rd party surveillance systems, regardless of manufacturer.

Standard Y-cam Features

Motion Detection & Alarms

If the Y-cam detects movement in its field of vision, it can automatically send an e-mail alert notifying the owner that motion has been detected, with an attached image of the scene, or it can upload footage to an FTP server so data is securely stored offsite. Unlike conventional activity detection, the Y-cam uses vector information to detect motion, therefore achieving better reliability against false alarms.

Secure Wireless Connectivity

WI FI n

Freedom to place the camera where required with built-in Wi-Fi connecting directly to the Internet. Y-cam supports WEP, WPA, and WPA2 for total connection security, as well as utilising secure password authentication so only authorised users get access.

PC & Mac Compatible

PC / Mac

Y-cam is compatible with both PC and Apple Macintosh computers, as well as with multiple web browsers.

NAS & NVR Drive Compatible

NAS READY™

The Y-cam range is not only compatible with market leading NVR drives from manufacturers such as QNAP, Synology and AVerMedia, but our unique NAS-Ready™ feature allows a Y-cam to record directly to virtually any NAS drive. NAS-Ready™ lets a Y-cam talk to any NAS drive using the CIFS/SMB protocol, allowing for virtually unlimited storage of footage and alerts.

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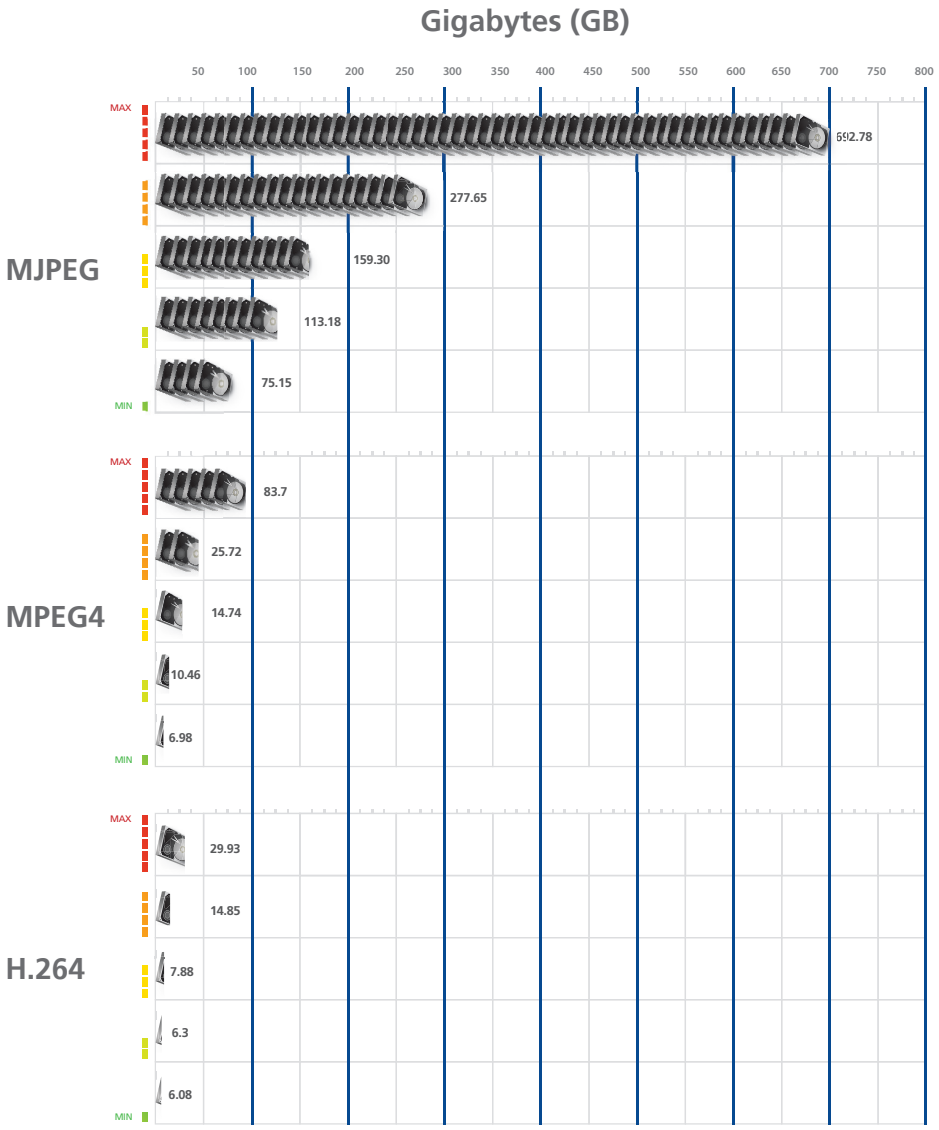
Storage space required for 24 hours of continuous recording



Providing a choice of MJPEG, MPEG4 or H.264 compressions methods, the Y-cam Bullet HD 1080 allows you to choose the best video format to suit your needs.

By using H.264, the Bullet HD 1080 can store 20x more video in the same space of a MJPEG file – meaning a lower usage cost as less storage is required.

Using a lower quality camera setting and a 32GB internal microSD card, the Bullet HD 1080 can record continuously for 2 weeks without the need for any additional hardware.

Camera quality settings

MAX
30 fps, **2048** bitrate / **20%** MJPEG compression

15 fps, **1024** bitrate / **20%** MJPEG compression

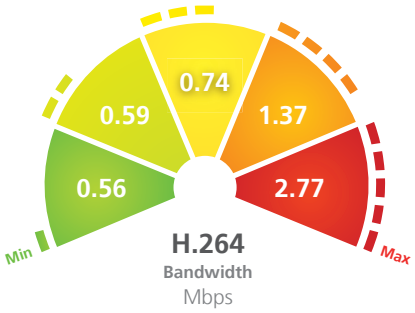
10 fps, **512** bitrate / **60%** MJPEG compression

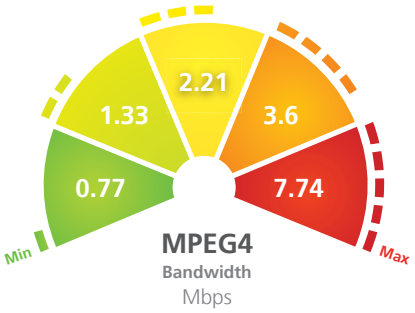
8 fps, **256** bitrate / **80%** MJPEG compression

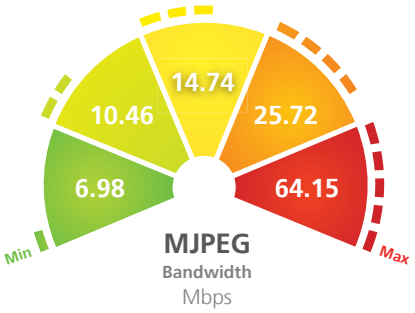
MIN
6 fps, **128** bitrate / **90%** MJPEG compression

Bandwidth requirements per second

The Bullet HD 1080's stream settings means that you can configure your camera to suit your network or viewing habits.
By using H.264, the Bullet HD 1080 lets you view your camera using just a fraction of the bandwidth used by MJPEG.







Please note: Due to the advanced compression technologies, these figures are dependent upon the amount of motion, and complexity, within the frame of video. The less movement, the smaller files produced by the compression. If there is lots of movement, like a busy street, then the files will be larger. The figures here have been estimated on an "average" or "medium" level of activity and complexity in the scene.

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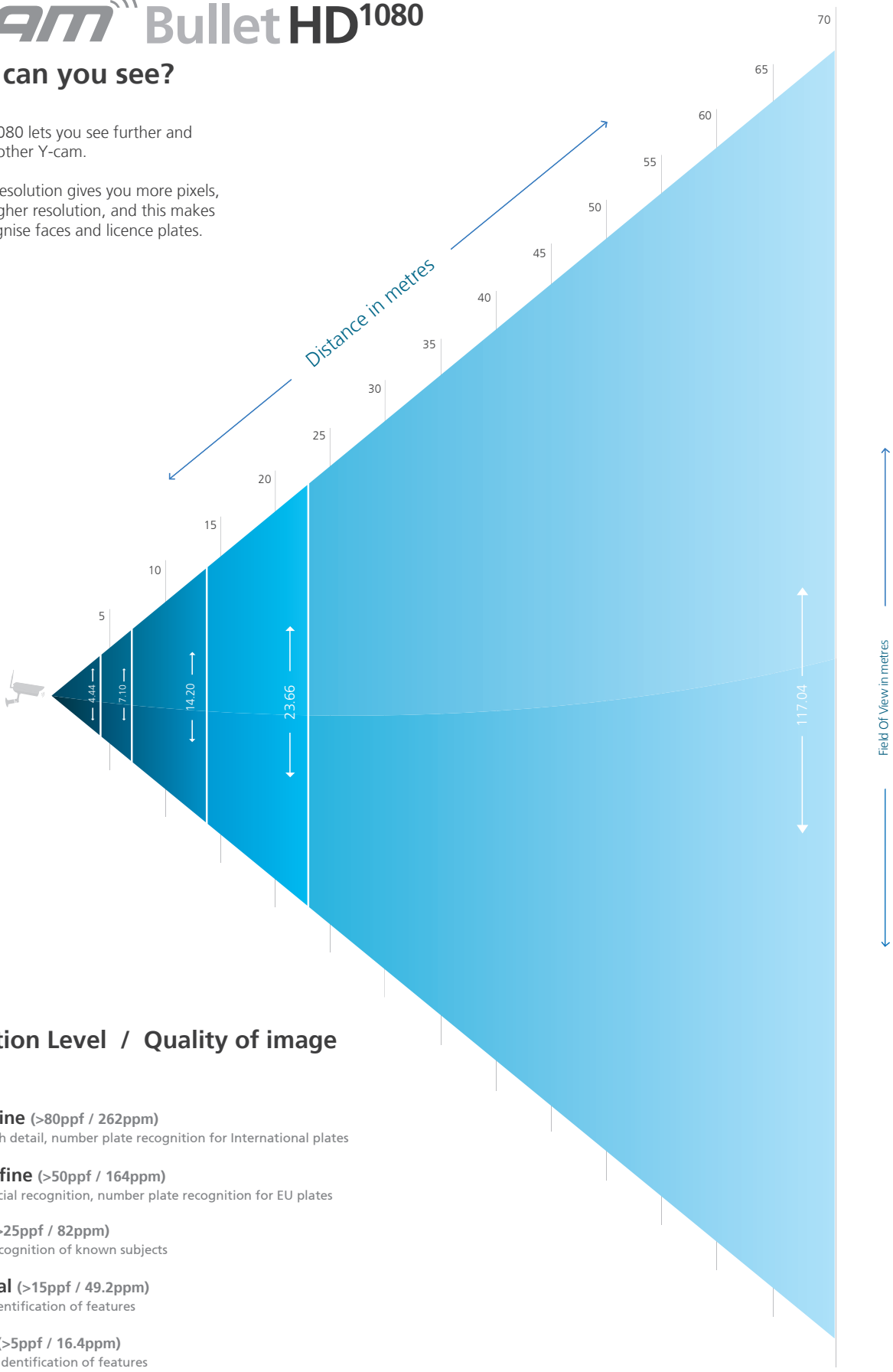
Y-cam Bullet HD1080

How far can you see?

The Bullet HD 1080 lets you see further and wider than any other Y-cam.

The HD 1080p resolution gives you more pixels, which means higher resolution, and this makes it easier to recognise faces and licence plates.



Identification Level / Quality of image

Zones

5	**Ultrafine** (>80ppf / 262ppm)	Very high detail, number plate recognition for International plates
4	**Superfine** (>50ppf / 164ppm)	Good facial recognition, number plate recognition for EU plates
3	**Fine** (>25ppf / 82ppm)	Facial recognition of known subjects
2	**Normal** (>15ppf / 49.2ppm)	Some identification of features
1	**Basic** (>5ppf / 16.4ppm)	Limited identification of features

Please note: This information is designed as a guide. Image quality will greatly depend on lighting and scene conditions. We recommend customers test cameras to ensure the results will meet their requirements, and be careful comparing spec sheets with cheaper cameras – there is usually a good reason they're cheaper. Not all pixels are created equal. Different cameras will achieve different quality levels at the same pixel density. Y-cam ensures high quality by optimising the complete package of lens, sensor, processor and cables.

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